IDCR@FT
RFID & NFC EXPERTS

UHF | RAIN - Fixed UHF RFID Reader
Zebra - FX9600

- RAIN RFID (UHF EPC Class1 Gen2, ISO 18000-63) compliant
- Up to 8 antenna ports
- Ethernet with PoE
- Up to 15 m reading range
- IP53 protection

UHF | RAIN - Fixed UHF Reader
Top of the line performance

To achieve maximum visibility and efficiency in your most rugged environments, your business needs an RFID reader that can keep up with the high volume and wide variety of applications. The Zebra FX9600 Fixed UHF RFID Reader delivers the performance and features you need to handle it all. With support for Power over Ethernet, IP53 sealing and up to eight RF ports, the FX9600 brings a new level of cost efficiency to passive UHF asset tracking and inventory managemen. Industry-leading read rates, long read ranges and exceptional RF sensitivity ensure you can automate your application.The result? Increased efficiency and reduced labor costs.

With a best-in-class processor and expanded memory, the FX9600 offers the power needed to support very high traffic throughput and sophisticated software applications.

An extremely durable diecast aluminum housing and IP53 sealing deliver the durability you need to ensure uptime - even in damp, dusty work areas, extreme heat or subzero temperatures.

Common Applications

- Inventory management
- High volume traffic
- RFID-tagged pallets and cases
- Asset tracking
- Item-level tagging

ZEBRA CAPTURE YOUR EDGE

TECHNICAL SPECIFICATIONS

Physical Characteristics

Dimension	27.3 cm L x 18.4 cm W x 5.0 cm
Weight	2.13 kg
Housing Material	Die-cast aluminum, meets IP53 standards
Visual Status Indicator	Multi-Color LED (Power, Status)

RFID Characteristics

Max Receive Sensitivity	-86 dBm monostatic
Air Protocols	ISO 18000-63 (EPC Class 1 Gen 2 V2)
Frequency (UHF Band)	Global Reader: 902 MHz - 928 MHz (Also supports countries that use a part of this band), 865 MHZ - 868 MHz US (only) Reader: 902 - 928 MHz
Transmit Power Output	0dBm to +33.0dBm: PoE+, 24V External DC, Universal 24 VDC Power Supply; 0dBm to +31.5dBm: PoE, 12V External DC (4-port-models only), 24V External DC, Universal 24 VDC Power Supply

Connectivity

Communications	10/100 BaseT Ethernet (RJ45); USB Host and Client (Type A and B)*; Serial (DB9)
General Purpose I/O	4 inputs, 4 outputs, optically isolated (Terminal Block)
Power Supply	POE (802.3af) POE+ (802.3at) +24V DC (UL Approved)
Antenna Ports	FX9600-4: 4 monostatic ports; (Reverse Polarity TNC) FX9600-8: 8 monostatic ports; (Reverse Polarity TNC)

Environmental

Operating Temp.	-20° to +55° C
Storage Temp.	-40° to +70° C
Humidity	5-95% non-condensing
Sealing	IP53

Hardware, OS and Firmware Management

Processor	Texas Instruments AM3505 (600 MHz)
Memory	Flash 512 MB; DRAM 256 MB
Operating System	Linux
Firmware Upgrade	Web-based and remote firmware upgrade capabilities
Management Protocols	RM 1.0.1 (with XML over HTTP/HTTPS and SNMP binding); RDMP
Network Services	DHCP, HTTPS, FTPS, SFPT, SSH, HTTP, FTP, SNMP and NTP
Network Stack	IPv4 and IPv6
Security	Transport Layer Security Ver 1.2, FIPS-140
API Support	Host Applications — .NET, C and Java EMDK Embedded Applications — C and Java SDK

Regulatory Compliance

Safety	UL 60950-01, UL 2043, IEC 60950-1, EN 60950-1
RF/EMI/EMC	FCC Part 15, RSS 210, EN 302 208, ICES-003 Class B, EN 301 489-1/3 For Malaysia: 919-923 MHz
SAR/MPE	FCC 47CFR2:OET Bulletin 65; EN 50364
Other	ROHS, WEEE

Part No. / Model

	Zebra - FX9600 (FX9600-42325A50-WR)